

STATEMENT OF WORK

Background

This Blanket Purchase Agreement (BPA) is used for the purchase of the polymeric materials for the use on GSFC In-house projects. These polymeric materials may be in the form of 2-component resin systems, one-component resin systems, films, prepreg (B-stage) resins, or frozen, pre-mixed resins in dispensing syringes. The vendor must be able to package their own mixes of polymers, as well as, act as a distributor for the purchase of polymeric materials from third party companies. Code 541 requires that all material is delivered with 80% of its original shelf life left. This is necessary because often, large manufacturers of polymer materials require a large quantity of material to be ordered before they will actually fill an order. These large quantities far exceed Code 541's requirements and would result in the majority of the order exceeding the material's shelf life and result in larger hazardous waste disposal costs in addition to far exceeding our storage capabilities. Finally, the minimum order requirement will also result in longer lead times for delivery.

Objectives

This BPA allows Code 541 to maintain an inventory of commonly used polymeric materials for the Branch's use, allows us to maintain an inventory of flight approved polymeric materials for the use by the various in-house projects ongoing at GSFC. These projects included, but are not limited to, ATLAS, GPM, ISIM, JDEM, TIRS, and MMS. The BPA allows Code 541 to respond quickly to these projects' requests for one-time or uncommon polymeric materials.

This BPA also will eliminate the need for Code 541 to stockpile large quantities of polymeric materials, which is an objective of the Safety & Environmental Branch and eliminates the need for the Branch to find additional storage space.

Scope

The vendor will at Code 541's request provide pre-mixed and frozen resins in dispensing syringes, two-component and one-component resins, and special, one-time requests for certain polymeric materials.

Tasks or Requirements

The following specifications must be met by the Vendor:

Polymer Formulation and Mixing Accuracy

All polymer resin materials must be formulated to an accuracy of 1.0%. Each batch of mixed material must be tested for curing by the vendor before being shipped.

Certificate of Compliance (C of C)

The manufacturer must provide a certificate of compliance to Code 541 with each batch of material being purchased. The C of C must contain the following information: customer's order #, date shipped, supplier's P/N, material batch #, customer P/N, date of manufacturer (DOM), expiration date, shelf life of material, storage temperature, and quantity of order.

Packaging

For pre-mixed and frozen resins: After mixing, all materials must be vacuum deaerated to one millimeter of mercury or lower until free of all entrapped air bubbles. The product must then be packaged in an all plastic dispensing syringe of the required size. NOTE: The syringes must be "silicone-free". Each container (syringe) must be labeled in accordance with the specifications detailed in this SOW.

For one-component and two-component resins: material or kits should be supplied in the original manufacture's packaging containers.

Packaging for Shipment:

All individual packages must be in boxes or other appropriate containers, which are sealed against the freezer environment.

Each container must be labeled with the same information as found on the individual packages and with the number of packages in the container.

Freezing and Certificate

The pre-mixed material packaging company must guarantee that the resin remains at the proper temperature during shipment and provide certification of the freezing process used for each batch of material. This certification must guarantee Code 541 and their customers 100% of the material's shelf life. The packaging vendor must retain samples of every batch of pre-mixed and frozen material in a -60°C, or colder, freezer throughout the shelf life of the material. All quality assurance must be managed per Mil-I-45208A.

NOTE: All shipments must be sent directly to Code 541 in Building 30, Room 140 for inspection and acceptance.

Delivery

All shipments must be sent next day delivery. Shipping containers must be marked on the outside with the date and time the contents must be placed in a freezer at -60°C, or colder. The container must also include a shipping temperature indicator with instructions covering the observation and interpretation of the temperature indicator. Labels containing storage conditions and shelf life must be plainly visible on every level of packing.

Examples of Labeling

The following example show all the information required on the labels of the polymeric materials:

Example #1

Vendor's Batch Number

Manufacturer Date, Expiration Date (3 mos. From date of shipment for polyurethanes; 1 year from DOE for all other adhesives)

Customer Name: NASA/GSFC Materials Branch, Code 541

Arathane 5753LV-A/B/M5, 20:100:14 pbw

Storage Conditions: -60°C

Pot Life: 30 minutes

Cure Time: 7 days @ RT

P.O. Number

FOR SPACE FLIGHT USE

Selection Criteria

The vendor must be able to meet all the requirements outlined in this Statement of Work.

Deliverables or Delivery Schedule

All shipments must be sent next day delivery. Shipping containers must be marked on the outside with the date and time the contents must be placed in a freezer at -60°C, or colder. The container must also include a shipping temperature indicator with instructions covering the observation and interpretation of the temperature indicator. Labels containing storage conditions and shelf life must be plainly visible on every level of packing.

All shipments must be sent directly to Code 541 in Building 30, Room 140 for inspection and acceptance.

Further requirements can be found in the Tasks or Requirements section of this SOW.

Government-Furnished Equipment and Government-Furnished Information

None

Security

None

Place of Performance

All work will be performed at the vendor's site.

Period of Performance

The BPA will be in effect for 3 years from date of award.